

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L35	5	34 and (reson\$4 natural)	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/02 17:02
L34	17	("3848993" "4007982" "4111545" "4111546" "4518248" "4763168" "4794878" "4875070" "4875081").PN. OR ("5842102").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/02 17:02
L33	3	32 and (resona\$4 natural)	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/02 16:45
L32	12	("3854814" "4007982" "4111545" "4145137" "4518248").PN. OR ("4875070"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/02 16:44
L31	20	("20030031488" "20030063928" "4111545" "4875070" "4982240" "5842102" "5937228" "6115576" "6128461" "6203962" "6215974" "6366751" "6463254" "6611672" "6625409" "6640073" "6654579" "6694122" "6801747" "6836638").PN. OR ("7123872"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/02 16:34
L30	17	(piezo piezoelectric) same (natural resonance resonate resonating) same blade same cleaning	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 16:33
L29	589	(piezo piezoelectric) same (natural resonance resonate resonating) same (vibrating vibrate vibration) same (displacement displace)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 16:33
L28	2	(piezo piezoelectric) same (natural resonance resonate resonating) same (vibrating vibrate vibration) same (displacement displace) and ice	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 16:32
L27	0	(piezo piezoelectric) with (natural resonance resonate resonating) with (vibrating vibrate vibration) with (displacement displace) and ice	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 16:28
L24	158	(piezo piezoelectric) with (natural resonance resonate resonating) with (vibrating vibrate vibration) with (displacement displace)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 16:28

EAST Search History

L26	1	L25 and 24	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 15:49
L25	93055	"399"/\$.ccls. g03g21/00.ipc.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 15:49
L23	7	(piezo piezoelectric) with resonance with (vibrating vibrate vibration) with natural and (clean cleaning cleaner)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 15:48
L22	101	(piezo piezoelectric) with resonance with (vibrating vibrate vibration) with natural	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 15:33
L21	80	(piezo piezoelectric) with resonance with (vibrating vibrate vibration) with (greater larger)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 15:33
L20	1	(piezo piezoelectric) with resonance with (vibrating vibrate vibration) with (greater larger) same (cleaning cleaner)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 15:22
L19	80	(piezo piezoelectric) with resonance with (vibrating vibrate vibration) with (greater larger)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 15:22
L18	36	(piezo piezoelectric) with resonance with (vibrating vibrate vibration) with greater	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 15:21
L17	1	L16 and 15	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 15:21
L16	2378	(399/350,351,71).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 15:21
L15	3008	(piezo piezoelectric) with resonance with (vibrating vibrate vibration)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 15:21
L14	2575	(piezo piezoelectric) with resonance with vibration	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 15:20

EAST Search History

L13	13447	(piezo piezoelectric) with resonance	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 15:20
S46	37	S44 and (resonance resonate resonating)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 11:59
S45	35	S44 and resonance	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 11:59
S44	97	S34 and S39 and S40 and S43	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 11:59
S43	145690	(assembly assembling assembled manufactured manufacturing manufacture) same frequency	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 11:58
S33	153384	(assembl\$3 manufactur\$3) same frequency	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 11:57
S42	97	S34 and S41	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 11:56
S41	447	S33 and S39 and S40	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 11:56
S40	502174	(vibrating vibration vibrate oscillating oscillation oscillate pulse pulsate pulsating) same frequency	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 11:56
S39	63771	(cleaning cleaner clean) near5 (blade member)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 11:55
S36	594657	(vibrat\$3 oscillat\$4 puls\$3) same frequency	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 11:55
S38	102	S37 and clean\$3 near5 (blade member)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 11:54

EAST Search History

S37	238	S35 and S36	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 11:52
S35	662	S33 and S34	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 11:51
S34	36250	("399").CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/02 11:51
S1	3	10/817249	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 11:50

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L36	2378	(399/350,351,71).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/02 17:46